

BEECHCRAFT G36 BONANZA

SPECIFICATIONS

Powerplant	Teledyne Continental IO-550-B, 300-hp
Recommended TBO	1,700 hr
Propeller	Hartzell 3-blade, 80-in diameter, constant-speed
Length	27 ft 6 in
Height	8 ft 7 in
Wingspan	33 ft 6 in
Wing area	181 sq ft
Wing loading	20.2 lb/sq ft
Power loading	12.2 lb/hp
Seats	6
Standard empty weight	2,530 lb
Maximum ramp weight	3,663 lb
Maximum gross takeoff weight	3,650 lb
Maximum useful load	1,133 lb
Maximum payload w/full fuel	689 lb
Fuel capacity	80 gal (74 gal usable)
Baggage capacity (with six seats)	270 lb, 47 cu ft

PERFORMANCE

Takeoff distance, ground roll, flaps approach	1,000 ft
Takeoff distance over 50-ft obstacle, flaps approach	1,913 ft
Takeoff distance, ground roll, flaps up	1,250 ft
Takeoff distance over 50-ft obstacle, flaps up	2,130 ft max
Demonstrated crosswind component	17 kt
Rate of climb, sea level	1,230 fpm
Cruise speed/range w/45-min rsv (fuel consumption) @ High-speed, 8,000 ft, 20-deg rich of peak EGT	
@ Normal speed, 10,000 ft, 20-deg rich of peak EGT	174 kt/714 nm (15.7 gph) 163 kt/758 nm (13.3 gph)

Service ceiling	18,500 ft
Landing distance over 50-ft obstacle	1,500 ft
Landing distance, ground roll	950 ft

LIMITING AND RECOMMENDED AIRSPEEDS

V _x (best angle of climb)	84 KIAS
V _y (best rate of climb)	100 KIAS
V _A (design maneuvering)	141 KIAS
V _{FE} (max flap extended), full flaps	124 KIAS
V _{FE} (max flap extended), approach flaps	154 KIAS
V _{LE} (max gear extended)	154 KIAS
V _{LO} (max gear operating)	
Extend	154 KIAS
Retract	154 KIAS
V _{NO} (max structural cruising)	167 KIAS
V _{NE} (never exceed)	205 KIAS
V _R (rotation), flaps up	73 KIAS
V _R (rotation), flaps approach	67 KIAS
V _{S1} (stall, clean)	68 KIAS
V _{S0} (stall, in landing configuration)	61 KIAS

For more information, contact Raytheon Aircraft Company, 10511 East Central, Wichita, Kansas 67206; telephone 316/676-5034; fax 316/676-4819; <http://beechcraft.txtav.com/en/bonanza-g36>

All specifications are based on manufacturer's calculations. All performance figures are based on standard day, standard atmosphere, sea level, gross weight conditions unless otherwise noted.

Source: www.aopa.org